A. Introduction of ACEC Indiana

B. Introduction of Facilitator, Mark Dunton, Associate Vice President, Director of Technology Delivery at HNTB

TOPICS FOR DISCUSSION

A. Remote Work Infrastructure & Mobile Workforce Trends
   a. Branch/satellite office networking (local servers, VPN tunnels to main office, cloud, etc.)
      i. Added more VPN locations at onset
      ii. Replaced desktops with laptops
      iii. Utilized Slack and Teams to keep departments/teams connected
      iv. AT&T PARTNERED WITH Cradlepoint to provide advanced routers for rural users
   b. Replication and multiple office location challenges
      i. Data Replication Software - Potential Solutions
      ii. Panzura option replicates across offices and supports file locking, no contention
      iii. Peerlink
      iv. Wasabi for low cost storage option
   c. VDI (Virtual Desktop Infrastructure) or WVD (Windows Virtual Desktops)
      i. IronOrbit to host CAD fully remote in the cloud
      ii. WorkSpot
   d. CAD / GIS use at home with only VPN connections
      i. How do firms use variations of RDP, Workspot, Citrix, etc.
      ii. Issues with license agreements/structures—request to raise issue with ACEC National to voice concerns from a larger organization of clients
      iii. BRicsCAD alternative option
      iv. Firms experience more compatibility issues with other clients rather than clients/DOTs
   e. Company-wide system updating procedures as employees are working different hours etc.
      i. Automated vs. manual considerations
      ii. Microsoft CMG used for less significant upgrades and changes
      iii. Bomgar used for major company-wide pushes

B. Collaboration Solutions (O365, Google Docs, BIM 360, etc.)
   a. Most firms are utilizing Teams internally, but clients prefer usability of Zoom
b. Some firms deployed Zoom or Teams phone integration
c. Owl Labs- low cost videoconferencing service
d. Teams Rooms utilized for hybrid conferencing
e. Some firms request that BIM users pull down data to save on firm’s archives/ system

C. Modern Workplace Technology
   a. Cloud storage vs. on-premise storage vs. hybrid cloud
      i. Firms back up archives to private clouds
   b. Dealing with the differences multi factor authentication implementation of new technologies/software/workflows
      i. Double Secret Octopus- passwordless MFA for firms with machine generated passwords with a rotation schedule
      ii. Seek buy-in from leadership to incorporate into firm’s protocol

D. Cybersecurity
   a. Security Awareness Training, Assessments, Audits
      i. Continual strategy for IT Departments
      ii. Consider outsourcing with KnowBe4
      iii. Most firms deploy phishing campaigns, monitoring click and submission rates and training videos monthly (be cognizant of billable employees and keeping educational videos to 3-15 minutes)
      iv. Artic Wolf cybersecurity protection
   b. Liability Insurance Coverage
   c. NIST frameworks, specifically 800-171

E. Business Continuity / Disaster Recovery

F. Emerging/Disruptive Technology

G. Open Discussion

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